

**ABSTRACT OF THE DISCLOSURE**

**ANIMAL MODEL EXHIBITING PATHOLOGICAL CONDITIONS OF  
ALZHEIMER'S DISEASE**

138            This invention provides an animal model that exhibits a pathological condition characteristic of Alzheimer's disease. This invention also provides various methods of using this animal model for the development of modulators of Alzheimer's disease-associated genes or polypeptides. Further provided in the present invention is a method of developing a modulator of pathogenesis of Alzheimer's disease. The compositions and methods of the present invention are particularly useful in Alzheimer's disease research and drug development.